SEQUENCE LISTING

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<120> METHOD FOR PREPARING MODIFIED POLYPEPTIDES

<130> 31-105900US

<140> 09/611,234
<141> 2000-07-06

<150> 60/189,503
<151> 2000-03-15

<150> 60/160,693
<151> 1999-10-21

<150> 60/207,793
<151> 2000-05-30

<160> 22

<170> PatentIn Ver. 2.1

<210> 1
<211> 163
<212> PRT
<213> Staphylococcus aureus

<400> 1

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Met Leu Lys Arg Ser Leu Leu Phe Leu Thr Val Leu Leu Leu Leu Phe
  1               5                  10                  15

Ser Phe Ser Ser Ile Thr Asn Glu Val Ser Ala Ser Ser Ser Phe Asp
             20                  25                  30

Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser Tyr Phe Glu Pro Thr
         35                  40                  45

Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val Asp Gly Lys Gly Asn
     50                  55                  60

Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro Ile Lys Pro Gly Thr
 65                  70                  75                  80

Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val Glu Trp Ala Leu Asp
                 85                  90                  95

Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu Leu Asp Pro Ser Ala
            100                 105                 110

Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys Lys Lys Glu Glu Thr
        115                 120                 125
```

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Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val Val Pro Asp Leu Ser
    130                 135                 140

Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile Thr Lys Val Val Ile
145                 150                 155                 160

Glu Lys Lys
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<210> 2
<211> 136
<212> PRT
<213> Staphylococcus aureus

<400> 2

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Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser
  1               5                  10                  15

Tyr Phe Glu Pro Thr Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val
            20                  25                  30

Asp Gly Lys Gly Asn Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro
         35                  40                  45

Ile Lys Pro Gly Thr Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val
     50                  55                  60

Glu Trp Ala Leu Asp Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu
 65                  70                  75                  80

Leu Asp Pro Ser Ala Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys
                85                  90                  95

Lys Lys Glu Glu Thr Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val
            100                 105                 110

Val Pro Asp Leu Ser Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile
        115                 120                 125

Thr Lys Val Val Ile Glu Lys Lys
    130                 135
```

<210> 3
<211> 136
<212> PRT
<213> Staphylococcus aureus

<400> 3

```
Ser Ser Ser Phe Asp Lys Gly Lys Tyr Lys Lys Gly Asp Asp Ala Ser
  1               5                  10                  15

Tyr Phe Glu Pro Thr Gly Pro Tyr Leu Met Val Asn Val Thr Gly Val
            20                  25                  30

Asp Ser Lys Gly Asn Glu Leu Leu Ser Pro His Tyr Val Glu Phe Pro
         35                  40                  45
```

Ile Lys Pro Gly Thr Thr Leu Thr Lys Glu Lys Ile Glu Tyr Tyr Val
50 55 60

Glu Trp Ala Leu Asp Ala Thr Ala Tyr Lys Glu Phe Arg Val Val Glu
65 70 75 80

Leu Asp Pro Ser Ala Lys Ile Glu Val Thr Tyr Tyr Asp Lys Asn Lys
85 90 95

Lys Lys Glu Glu Thr Lys Ser Phe Pro Ile Thr Glu Lys Gly Phe Val
100 105 110

Val Pro Asp Leu Ser Glu His Ile Lys Asn Pro Gly Phe Asn Leu Ile
115 120 125

Thr Lys Val Val Ile Glu Lys Lys
130 135

<210> 4
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 4
aaaaagggcg atgacgcgaa gtattttgaa ccaacaggcc cg 42

<210> 5
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
aaaaagggcg atgacgcgag taagtttgaa ccaacaggcc cg 42

<210> 6
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
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<210> 7
<211> 42
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
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<210> 8
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
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<210> 9
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

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atatgc 66

<210> 10
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 10
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atatgc 66

<210> 11
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 11
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atatgc 66

<210> 12
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 12
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atatgc 66

<210> 13
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

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acagaaaaa 69

<210> 14
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 14
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<210> 15
<211> 1377
<212> DNA
<213> Staphylococcus aureus

<400> 15
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aattcttagg ttaaaatgtt aaatatttgt taattatttt tgaatgtaag tttagtttct 180
tttaatattt tattgatttt taatattttc tcaatataaa atgaagttgt tgatatttat 240
catcttaaat aagggtgtta gctataaaaa gagataaata aaaacaaata tattatattt 300
ggaggaagcg ccatgctcaa aagaagttta ttatttttaa ctgttttatt gttattattc 360
tcattttctt caattactaa tgaggtaagt gcatcaagtt cattcgacaa aggaaaatat 420
aaaaagggcg atgacgcgag ttattttgaa ccaacaggcc cgtatttgat ggtaaatgtg 480
actggagttg atggtaaagg aaatgaattg ctatcccctc attatgtcga gtttcctatt 540
aaacctggga ctacacttac aaaagaaaaa attgaatact atgtcgaatg ggcattagat 600
gcgacagcat ataaagagtt tagagtagtt gaattagatc caagcgcaaa gatcgaagtc 660

acttattatg ataagaataa gaaaaaagaa gaaacgaagt ctttccctat aacagaaaaa 720
ggttttgttg tcccagattt atcagagcat attaaaaacc ctggattcaa cttaattaca 780
aaggttgtta tagaaaagaa ataaaacaaa atagttgttt attatagaaa gtaatgtctt 840
gattgaatat gtgtagtgaa attatctttc atcaaattct cattcatgca cgaatggttc 900
tgccccacct aatcagatat taggtgactt atggggagaa atcagttaga atgacatagt 960
catgtctatt taagcaggtg cgttacacac ctgatgtcta tttacattta aagataaaat 1020
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gcaggtacta cggtacttgc ctgtttttt atgttatagc tagccttcgg gcagtttttg 1140
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<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 16
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<210> 17
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 17
Met Lys His His His His His His
1 5

<210> 18
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 18
Met Lys His His Ala His His Gln His His
1 5 10

<210> 19
<211> 14

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 19
Met Lys His Gln His Gln His Gln His Gln His Gln His Gln
1 5 10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 20
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 21
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 21
Asp Tyr Lys Asp Asp Asp Asp Lys
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<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide tag

<400> 22
Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5